

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. The present response supersedes all prior listings and versions of claims in the present application.

Claims 1-30 (Withdrawn)

Claims 31-36 (Cancelled)

Claims 37-42 (Withdrawn)

43. (New) A machining possibility calculator, comprising:

a machine data input device that inputs machine data for a machine element to be designed, the machine data for the machine element including structure data, material quality data, and shape data specified by a shape pattern selected from a plurality of shape patterns and by a set of size parameters selected from a plurality of sets of size parameters corresponding to the selected shape pattern;

a material data input apparatus that inputs material feature data including features of a material to be machined by the machine element; and

a machining verifier which verifies whether the machine element to be designed is capable of being machined on the basis of the input machine data and material feature data.

44. (New) A machining possibility calculating apparatus according to claim 43, wherein the features of the material to be machined include a plate thickness and the material

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quality of a plate material.

45. (New) A machining possibility calculating apparatus according to claim 44, wherein the machining verifier performs the verification by comparing a resisting pressure of the machine element, obtained according to a strength calculation using the machine data, to a machining pressure, obtained from the material feature data, necessary for machining.

46. (New) A machining possibility calculating apparatus according to claim 43, wherein the machining verifier performs the verification by checking consistency between the size parameters.

47. (New) A machining possibility calculating apparatus according to claim 43, wherein, when the machine element to be designed is a die for a predetermined type of machining, the machine data includes structures and material qualities of a punch and a die, and a clearance between the punch and the die.

48. (New) A machining possibility calculating apparatus according to claim 43, wherein, when the machine element to be designed is a die apparatus for a predetermined type of machining, the machine data further includes a tip end radius of the die apparatus, a tip end angle of the die apparatus, and a V width of the die apparatus.